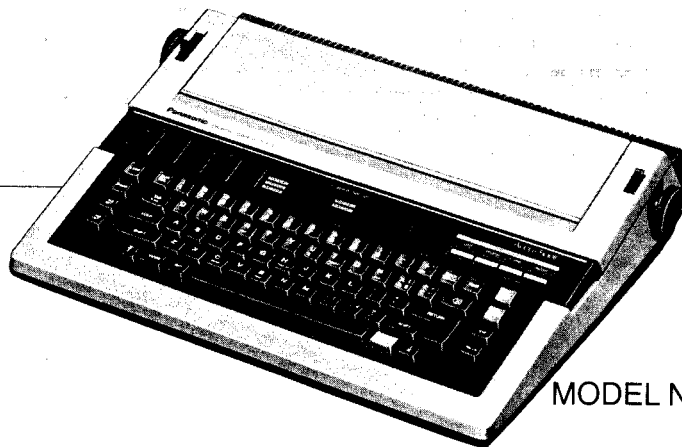


Panasonic 6170

OPERATING INSTRUCTIONS



Electronic Typewriter

MODEL NO. **KX-R335**

Before operating this unit, please read these instructions completely.

6170

Thank you for your purchase of the Panasonic Electronic Typewriter KX-R335.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR ANY TYPE OF MOISTURE.

The serial number of the unit may be found on the label at the right side of the unit when the Top Cover is opened. For your convenience, note this number below, and retain this book along with your proof of purchase, to serve as a permanent record of your purchase or for future reference.

MODEL NO. KX-R335

SERIAL NO. _____

NAME OF DEALER _____

DATE OF PURCHASE _____

Accessories (included)

Make sure that the following parts have been included with the unit.

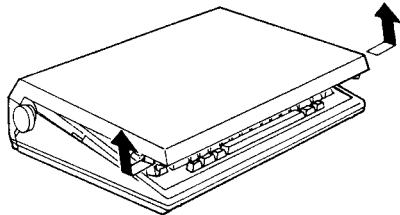
- | | |
|--|---|
| • Ribbon Cassette 1
(installed on the carriage) | • Daisywheel 1
(installed on the carriage) |
| • Correction Tape 1
(installed on the carriage) | • AC Power Cord 1 |
| | • Operating Instruction Manual 1 |
| | • Hard Cover 1 |

Any details given in these Operating Instructions are subject to change without notice.

Precautions

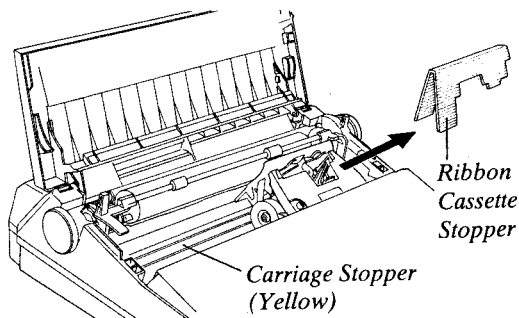
(Be sure to read this section before operating this unit.)

To use the unit, first remove the Hard Cover as shown in the figure.



- After confirming that the **POWER** switch is turned OFF, open the Top Cover and remove the Ribbon Cassette Stopper installed on the Ribbon Cassette and the Carriage Stopper installed on the carriage shaft.

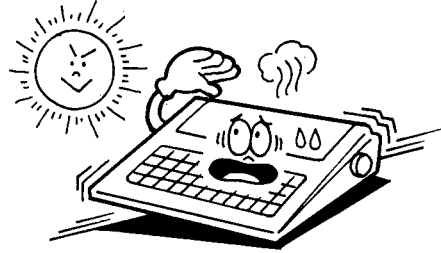
Be sure to keep these stoppers so the unit can be transported safely, if the need arises.



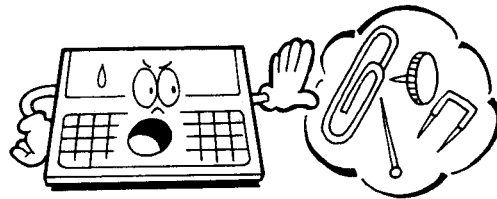
- When you transport or ship the typewriter, be sure to position the carriage at the far right of the unit, and insert the Carriage Stopper and the Ribbon Cassette Stopper.

Cautions

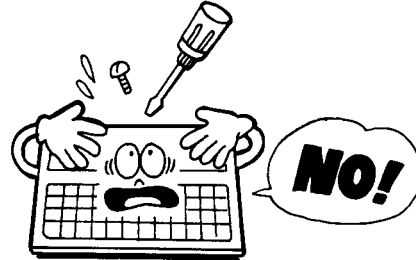
- Do not place your typewriter where it is exposed to direct sunlight, heat or intense vibration.



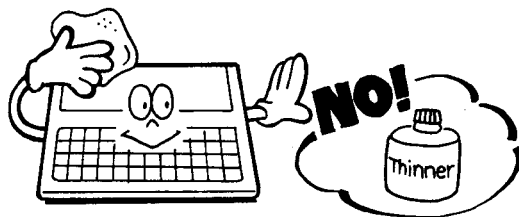
- Do not allow any foreign matter to enter the interior of the typewriter or get between the keys. Be especially careful of metal objects.



- To prevent electric shock, do not remove screws. No user serviceable parts inside.



- Use only soft, dry cloth to clean your typewriter. Water or thinners may damage the covers, cases or electronic circuitry.



The Operating Instructions for the KX-R335 are composed of the following five chapters.

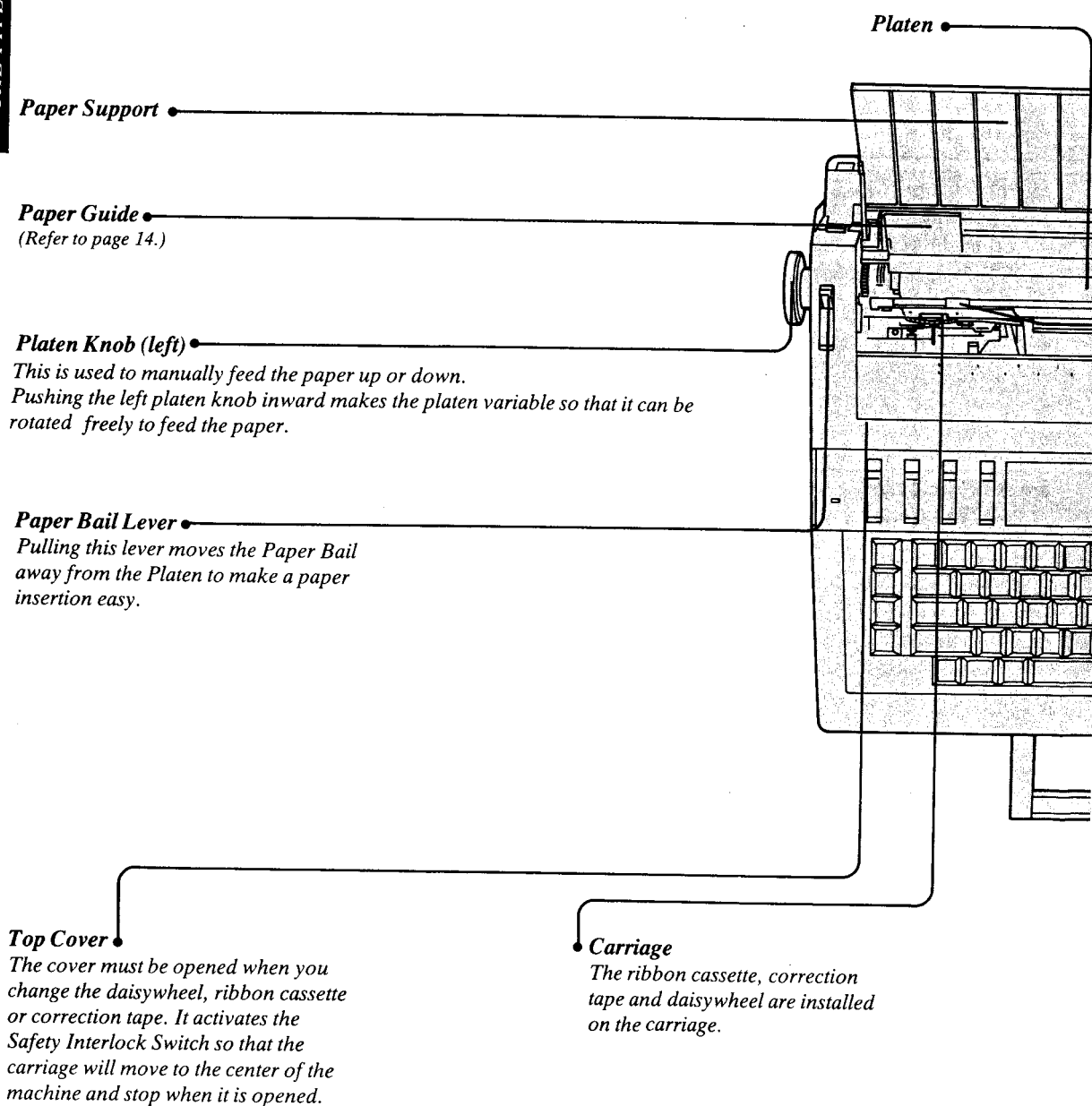
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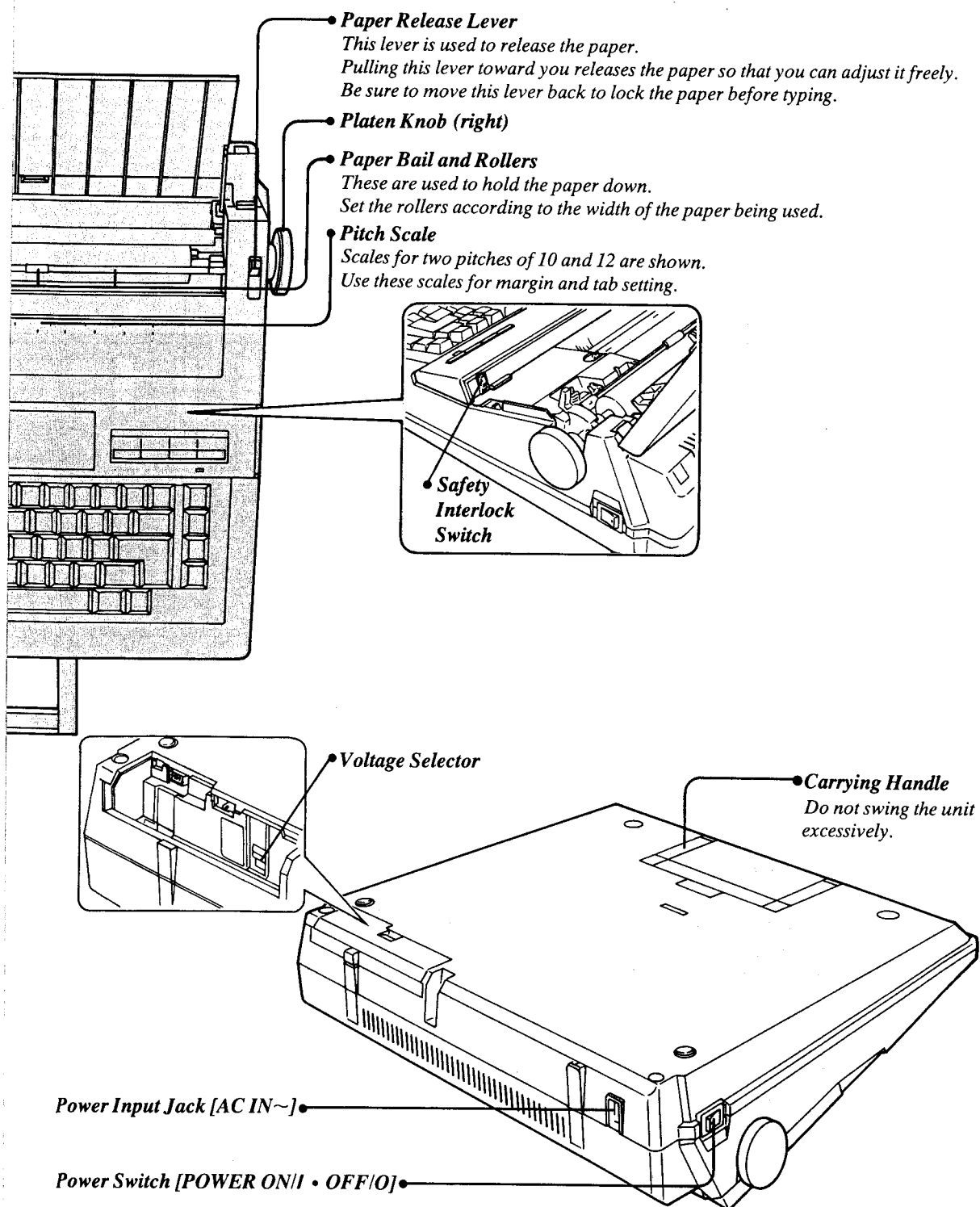
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1-1 NAMES AND OPERATION OF THE KX-R335 PARTS

BEFORE USING
THE TYPEWRITER

A Main Parts





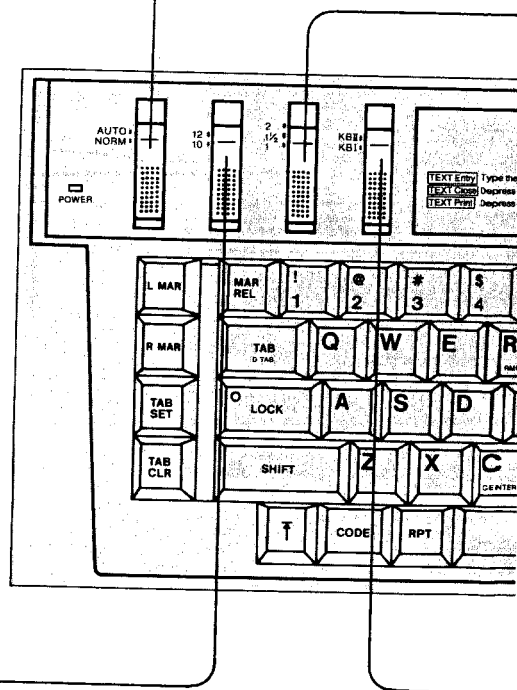
B Selectors

Carriage Return Selector (NORM • AUTO) •

This selector selects whether a carriage return is made automatically or manually in the Hot Zone.

NORM Printing stops at the right margin.

AUTO When a character after entering a "Hyphen" or "Space" is entered within the "Hot Zone", the carriage automatically returns to the left margin or the paragraph indent position of the next line.



Pitch Selector (10 • 12) •

This selector should correspond with the pitch of daisywheel in the machine.

10 10 characters per inch (2.54 cm) or 100 characters per line can be printed.

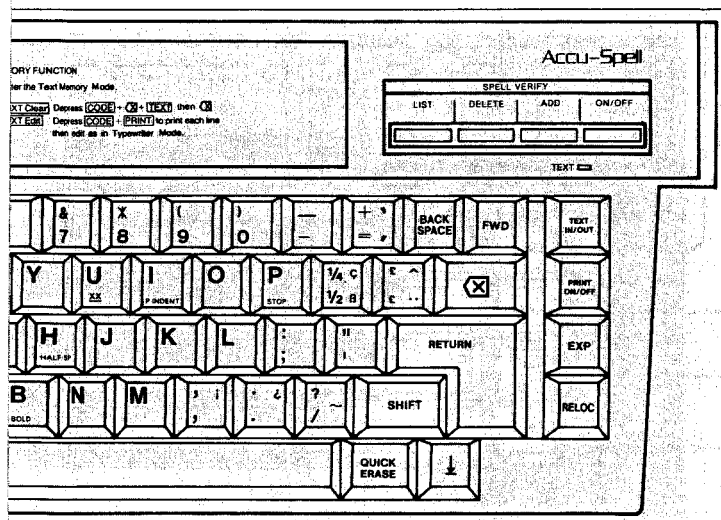
12 12 characters per inch (2.54 cm) or 120 characters per line can be printed.

● Line Spacing Selector (1 • 1½ • 2)

This selector is used for choosing the amount of paper that is fed each time the **RETURN** key is depressed.

- 1 Paper is fed one line.
- 1½ Paper is fed one and a half lines.
- 2 Paper is fed two lines.

● When the Platen Knob is rotated manually, one latch moves the platen one half line.



● Keyboard Selector (KBI • KBII)

This selector is used to differentiate between the characters and symbols contained in each key.

KBI The characters and symbols on the left side of the key can be typed.

KBII The characters and symbols on the right side of the key can be typed.

Shift, KBI	1/4 Ç	Shift, KBII
No shift, KBI	1/2 ß	No shift, KBII

● "Dead" keys

These five accent symbols (¨ ´ ˆ ˜ ˘) can be used only with other characters. They will not be printed until the character, which is to fall below, is depressed.

äëïöü	ÄËÏÖÜ
áéíóú	ÁÉÍÓÚ
àèìòù	ÀÈÌÒÙ
âêîôû	ÂÊÎÔÛ
ãõñ	ÃÕÑ

C Function Keys

Margin Release Key (MAR REL) •
Releases left and right margins.

Tab Key (TAB) •
Moves the carriage to the next tab position or to the right margin.

Power Indicator (POWER) •
Lights when Power switch is turned on, indicating that the KX-R335 is activated.

Left Margin Key (L MAR) •
Sets the left margin.

Right Margin Key (R MAR) •
Sets the right margin.

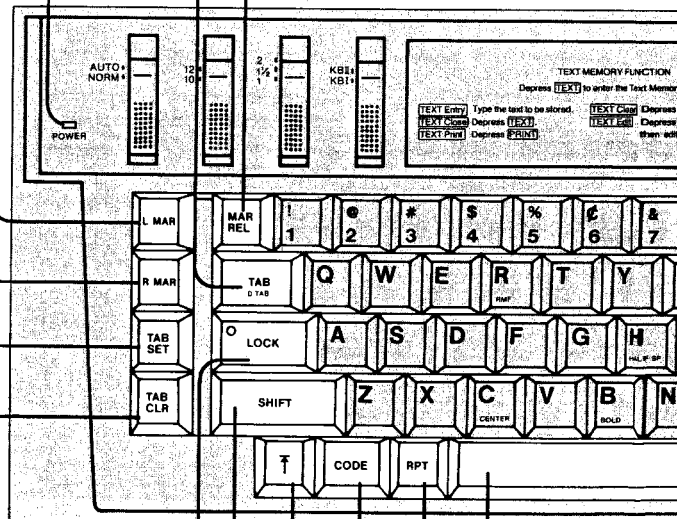
Tab Set Key (TAB SET) •
Sets TAB stops.

Tab Clear Key (TAB CLR) •
Clears TAB stops. Also clears all tabs when used with the CODE key.

Shift Lock Key/Shift Indicator (LOCK) •
Pressing down this key creates the shifted condition so that capital letters or symbols on the top part of keys can be printed successively. Depressing the SHIFT key terminates the shifted condition.

• **Shift Indicator**
Illuminates during the shifted condition.

Shift Key (SHIFT) •
Pressing a character key while holding down this key causes the capital letter or the symbol on the top part of the key to be printed.

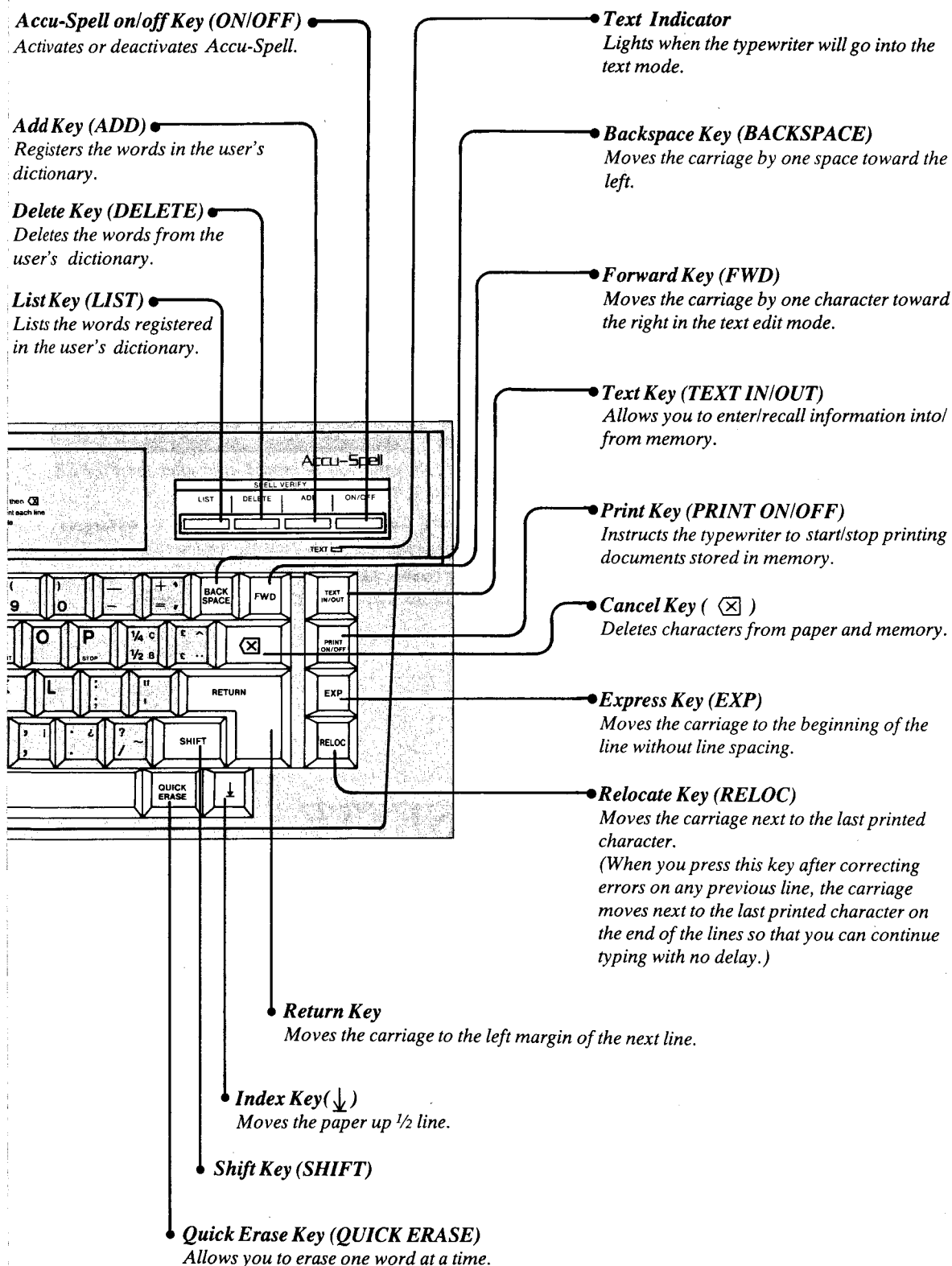


Space Bar
Moves the carriage by one space toward the right.

Repeat Key (RPT)
Makes most keys repetitive keys.

Code Key (CODE)
Command key for automated functions used in conjunction with other keys.

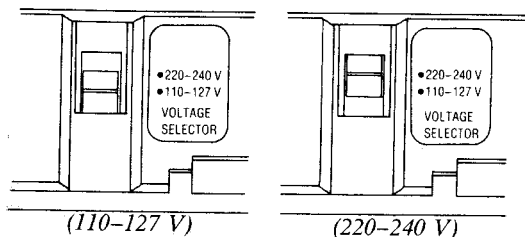
Reverse Index Key (↶)
Reverse Index moves the paper down 1/2 line.



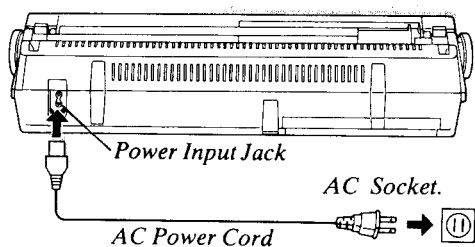
1-2 POWER SUPPLY

A Using Household AC Power

First, check the AC Voltage Selector to insure that it is set to the voltage which corresponds to your household AC voltage. If not, select the proper voltage by sliding up or down the AC Voltage Selector.



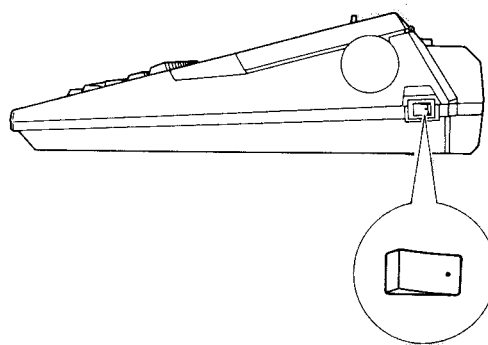
Connect the AC Power Cord to the Power Input Jack on the unit and the household AC Socket.



- When you will not be using the typewriter for a long period, unplug the Power Cord after turning off the **POWER** switch. About 3 watts are consumed even while the **POWER** switch is turned off.

B Power Switch

When the **POWER** switch is set to "ON", the carriage will move to the left margin which was last set. The unit is now ready for typing.



C Memory Back-up Function

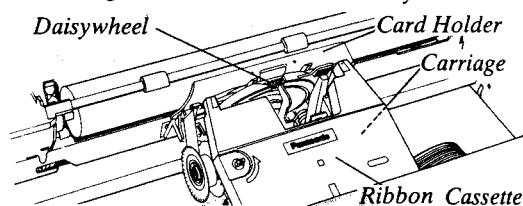
The following will be stored even after the **POWER** switch is turned off:

- Stored Text
- Tabs
- Margins
- Stored Dictionary

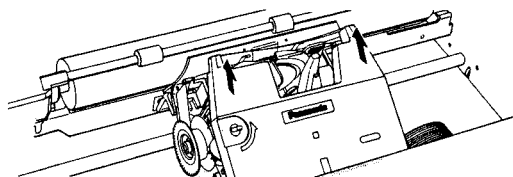
The built-in lithium battery that is used to retain these functions can be used for about 5 years.

1-3 CHANGING THE RIBBON CASSETTE

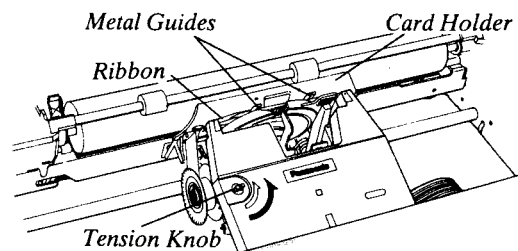
- 1 When you lift the Top Cover, you will see the carriage, ribbon cassette and daisywheel.



- 2 Hold the ribbon cassette on both sides and lift up the front portion (where the ribbon is exposed) to remove.



- 3 To insert a new cassette, place the back end of the cassette on the cassette holder on the carriage and snap the front portion of the cassette onto the carriage.

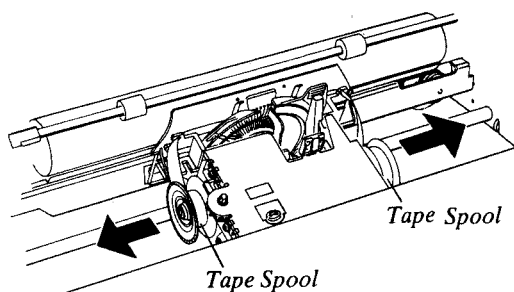


- 4 Advance the tension knob on the cassette counter-clockwise until the ribbon slack is tightened.

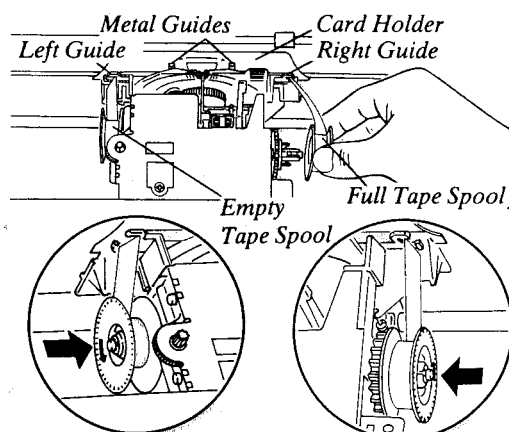
- Turn the **POWER** switch off before changing the ribbon cassette.

1-4 CHANGING THE CORRECTION TAPE

- 1 To replace the correction tape, lift out the typing ribbon cassette (see "1-3 CHANGING THE RIBBON CASSETTE") and remove the two spools of the lift-off tape by pulling them outwards.



- 2 Place the empty spool of new tape on the left pin so that the tape winds counter-clockwise. Place the tape around the left guide and behind both metal guides. Pull the tape around the right guide and place the loaded spool on the right pin so that the tape unwinds counter-clockwise.



- 3 Manually turn the left-hand spool in the counter-clockwise direction, tightening the tape until resistance is felt.
 - 4 Replace the typing ribbon cassette.
- After exchanging the correction tape, confirm that the correctable side of the tape faces toward the platen.
 - Turn the **POWER** switch off before changing the correction tape.

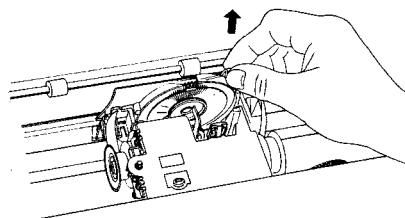
1-5 CHANGING THE DAISYWHEEL

To remove the daisywheel, you do not have to remove the ribbon cassette.

You will see a green lever on the right side of the carriage. Pull this lever toward you and lift out the plastic cartridge of the daisywheel.

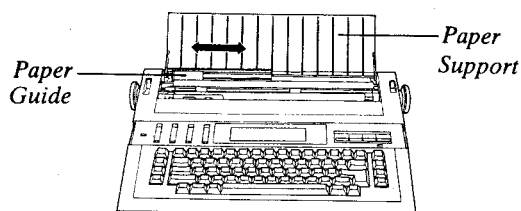
To insert the daisywheel, place the plastic cartridge in the carriage with the characters facing toward the platen. Push the green lever back into position.

- Turn the **POWER** switch off before changing the daisywheel.

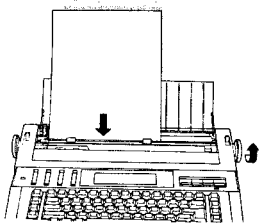


1-6 INSERTING THE PAPER

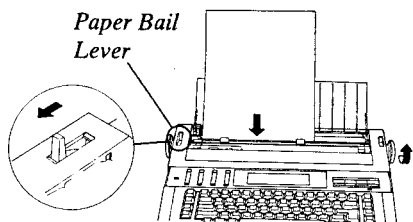
- 1 Open the Paper Support and position the Paper Guide for the size of the paper you are using. (The Paper Guide is on the Paper Support and permits lateral sliding.)



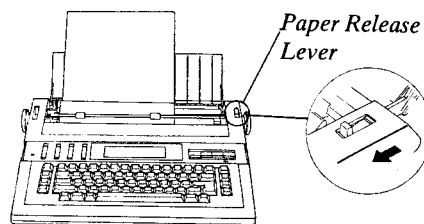
- 2 Insert the paper straight under the back of the Platen.



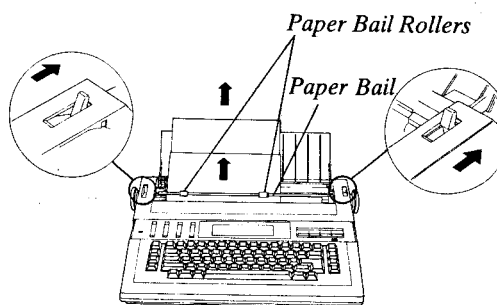
- 3 Pull the Paper Bail Lever towards you. While keeping the left edge of the paper in line with the Paper Guide, turn the Platen Knob until the paper appears at the front of the Platen.



- 4 Feed the paper underneath the Paper Bail, pull the Paper Release Lever, and adjust the paper.



- 5 Return the Paper Release and the Paper Bail Levers to their original positions and then position the Paper Bail Rollers to hold down the paper.



Proper printing and correction will not be possible if there is any slack in the paper. Hold the paper by the top edges and pull up to remove any slack.

2-1 USING THE TYPEWRITER

This section introduces you to the fundamental operations of the Panasonic KX-R335. Read through it and do the exercises to familiarize yourself with each operation.

A Procedure for Typing

- 1 Open the Top Cover and confirm that the ribbon cassette, correction tape and daisywheel are properly installed on the carriage.

- Confirm that the Pitch Selector is set to the pitch of the daisywheel you are using.

- 2 Connect the AC Power Cord to the Power Input Jack on the unit and the household AC Socket.

- 3 Turn ON the **POWER** switch.
The KX-R335 remembers the last margin format you used and moves the carriage to the left margin.

- 4 Insert the paper behind the platen and rotate the platen knob to feed the paper to the desired position.

Now you can begin typing.

- 5 Type the following characters.

Typewriter

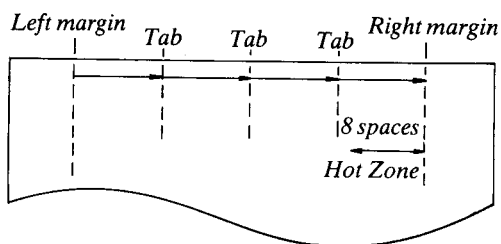
You will now learn how to use the typewriter to perform simple operations.

Read the following descriptions thoroughly in order to make the most use of the splendid functions of the KX-R335.

B Margin Formats

When you turn ON the **POWER** switch, the margin format (margins and tabs) you used last will be automatically set.

If you want to change this margin format, simply do the following:



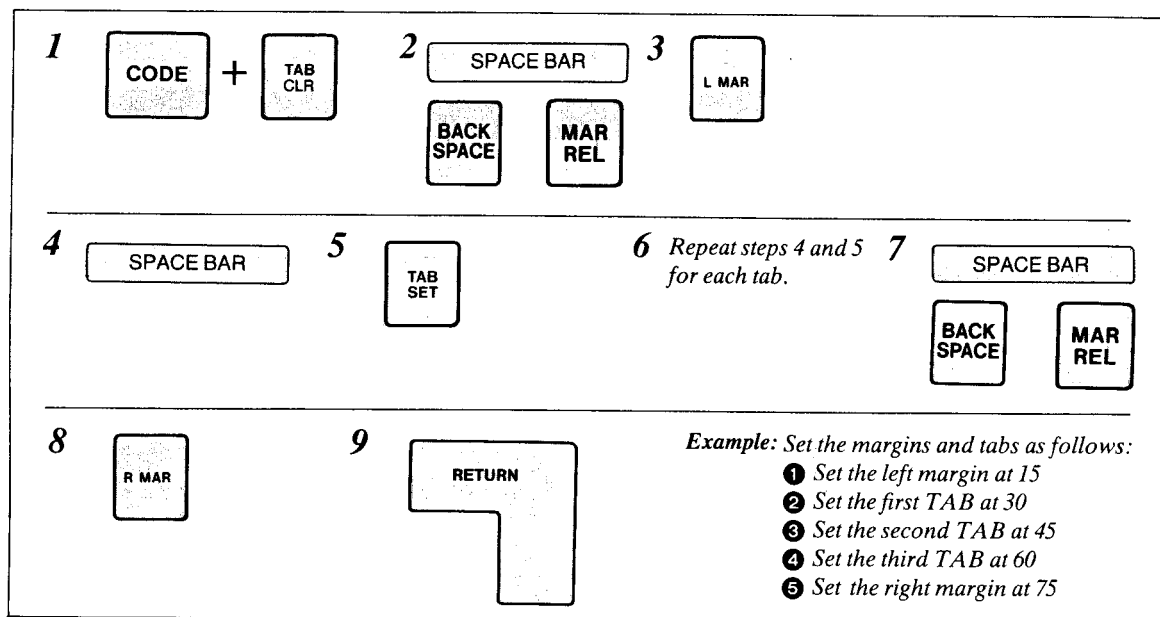
To Clear Tabs



Depress the **CODE+TAB CLR** keys.
The carriage moves to the left margin and clears the all tabs.

- Should you want to change a **TAB** stop, depress the **TAB** key to move the carriage to the tab position to be cleared, and depress the **TAB CLR** key. To set a **TAB**, depress the **TAB SET** key at the desired position.

To Set Margins and Tabs



- 1 Clear the current tabs.
Refer to "To Clear Tabs".
- 2 Depress the **SPACE BAR** or the **BACKSPACE** key to move the carriage to the desired left margin position. If necessary, depress the **MAR REL** key to by-pass a previously set margin.
- 3 Depress the **L MAR** key to set the left margin.
- 4 Depress the **SPACE BAR** until you reach the first desired TAB stop.
- 5 Depress the **TAB SET** key to set the first TAB stop.
- 6 Repeat steps 4 and 5 for each required TAB stop. Remember that the maximum number of tab stops is 13.
- 7 Depress the **SPACE BAR** or the **BACKSPACE** key to move the carriage to the desired right margin position. If necessary, depress the **MAR REL** key to by-pass a previously set margin.
- 8 Depress the **R MAR** key to set the right margin.
- 9 Depress the **RETURN** key to move the carriage to the left margin on the next line.

C Hot Zone

The "Hot Zone" represents the number of spaces between the bell and the last character at the right margin. When the carriage enters the "Hot Zone", you will hear the bell which indicates that the right margin is approaching.

(It is pre-programmed in the machine at 8 spaces from the right margin. Refer to page 15.)

D INDEX (↓) and REVERSE INDEX (↑)

1 Type.

2 Type.



3



4 Continue typing.

The **INDEX** (↓) key allows you to move the paper 1/2 line toward the bottom of the page. The **REVERSE INDEX** (↑) key allows you to move the paper 1/2 line toward the top of the page.

These keys are used for the typing of superscripts (e.g. 10³) and subscripts (e.g. log₁₀1000). You will also use them for manual correction.

The 4th of July is Independence Day.

1 To type this sentence, you would first enter "The 4" and then:

2 Depress the **REVERSE INDEX** (↑) key and type "th".

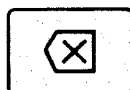
3 Depress the **INDEX** (↓) key to reposition the carriage on the actual typing line.

4 Continue typing.

E Correction

To Correct Errors on the Paper

1



2 Type the correct characters.

3



The Panasonic KX-R335 has a one line correction memory so you can delete the characters on the current line automatically with one simple operation.

1 To erase the last printed character on the line; Depress the **CANCEL** (⊗) key to "lift" the incorrect character off the paper. If you depress the **CANCEL** (⊗) key again or the **RPT** key the next character will be erased.

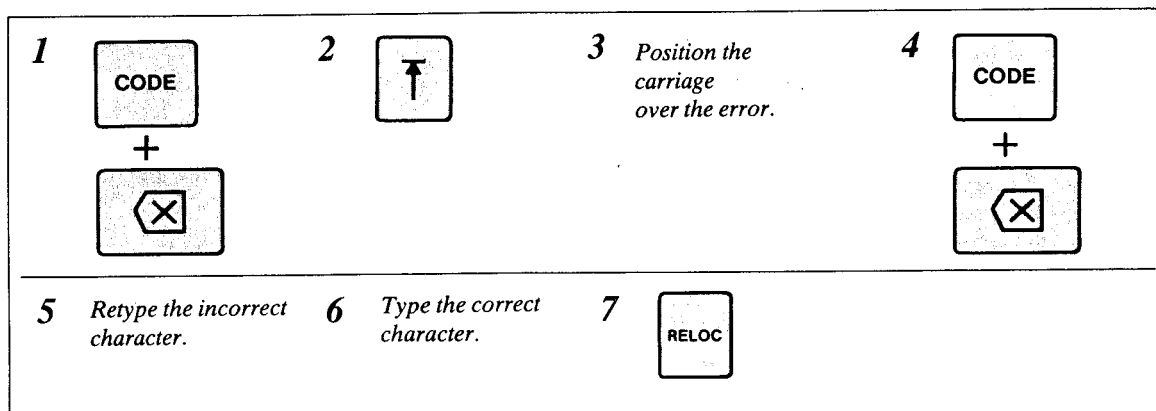
• To erase characters towards the beginning of the line, depress the **EXP** key, the **SPACE BAR** or the **BACKSPACE** key and position the carriage so that the character to be erased is aligned between the two vertical lines on the top of the Card (Plastic) Scale.

Depress the **CANCEL** (⊗) key.




2 Type the correct characters.

3 Depress the **RELOC** key after making the correction to move the carriage back to the end of the line.

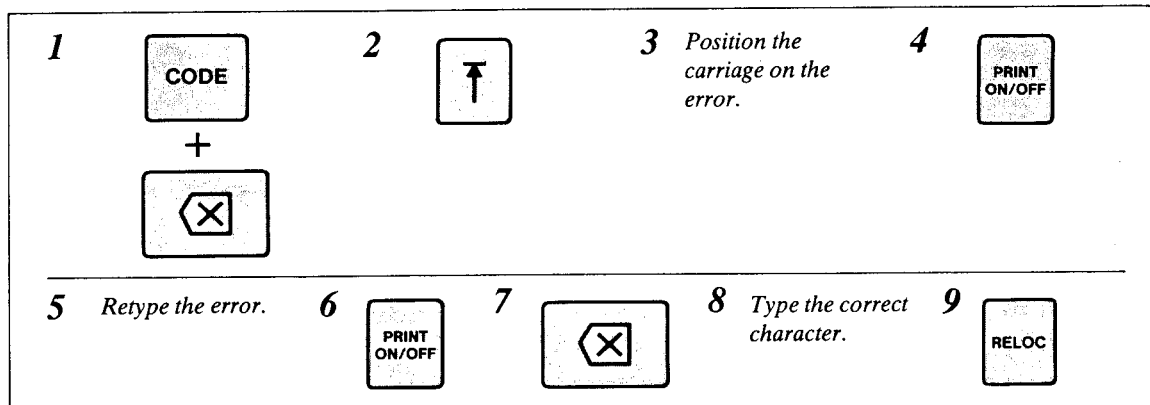
To Make Manual Corrections on a Previous Line



To erase characters on previous lines:

- 1** Depress the **CODE+CANCEL** () keys. This instructs the KX-R335 to enter the Manual Correction Mode. The carriage will automatically move to the left margin to allow you to begin making corrections.
- 2** Depress the **REVERSE INDEX** () key to position the carriage on the line with the error.
- 3** Depress the **SPACE BAR**, **TAB**, **CODE+H**, **CODE+J** or **BACKSPACE** key to position the carriage over the error.
- 4** Depress the **CODE+CANCEL** () keys.
- 5** Retype the incorrect character. This will lift the character off the paper.
- 6** Type the correct character.
 - Repeat steps 2–6 to correct errors on another line.
 - Repeat steps 3–6 to correct another character on the same line.
- 7** Depress the **RELOC** key. This will position the carriage to the end of the last line.

No Print When Making Manual Corrections



The **PRINT** key may be used to make manual corrections.

This feature is especially helpful when making many corrections successively.

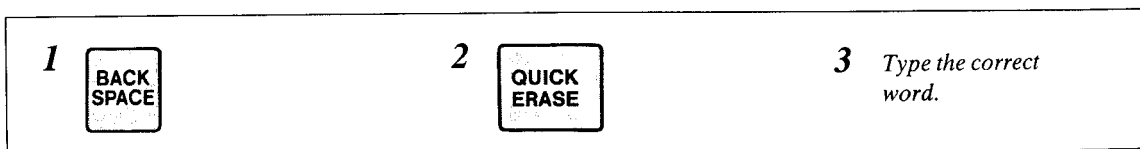
- 1 Depress the **CODE+CANCEL** (X) keys. The carriage will automatically return to the left margin.
- 2 Depress the **REVERSE INDEX** (↑) key to position the carriage at the beginning of the line on which the correction is to be made.
- 3 Depress the **SPACE BAR**, **TAB**, **CODE+H**, **CODE+J** or **BACKSPACE** key to position the carriage on the error.
- 4 Depress the **PRINT** key.

- 5 Retype the error.

This information has now been entered back into memory but has not reprinted on the paper.

- 6 Depress the **PRINT** key.
- 7 Depress the **CANCEL** (X) key to delete the entered characters.
- 8 Type the correct character.
• Repeat steps 2–8 for each error to be corrected.
- 9 Depress the **RELOC** key. This will position the carriage to the right of the character printed last before correction.

To Erase one Word at a Time

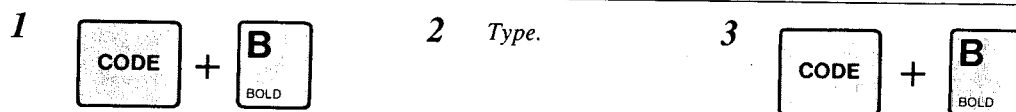


The **QUICK ERASE** key may be used to speed up correction by correcting one word at a time.

- 1 Depress the **BACKSPACE** key to locate the desired position.
- 2 Depress the **QUICK ERASE** key.
- 3 Type the correct word.

• If you have depressed the **SPACE BAR** after typing an incorrect word, make sure to depress the **BACKSPACE** key before depressing the **QUICK ERASE** key.

F Bold Print



You can instruct the KX-R335 to "highlight" certain words or characters for emphasis by using the bold print function.

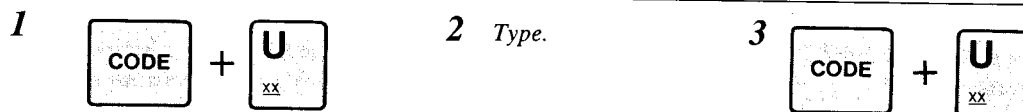
1 Depress the **CODE+B** keys.

The buzzer will sound one time.

2 As you type the characters, they will be printed in bold face.

3 Depress the **CODE+B** keys again to deactivate the command.

G Underlining



You can instruct the KX-R335 to "underline" certain words or characters for emphasis using the underlining function.

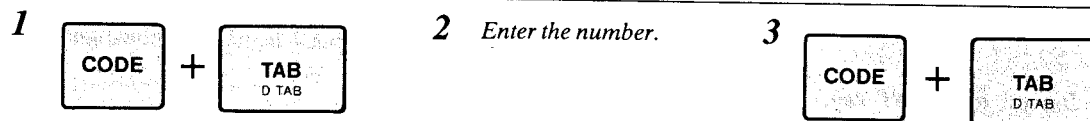
1 Depress the **CODE+U** keys.

The buzzer will sound one time.

2 Enter the information. All characters and spaces will be underlined.

3 Depress the **CODE+U** keys again to deactivate the command.

H Decimal Tabulation



You may use the **CODE+TAB** keys in place of the **TAB** key when typing statistical formats.

The typewriter will automatically align decimal points at the preset tab stops and eliminates the need to space to the correct starting position in a column.

This function also can be used when typing formats which include characters.

1 Depress the **CODE+TAB** keys.

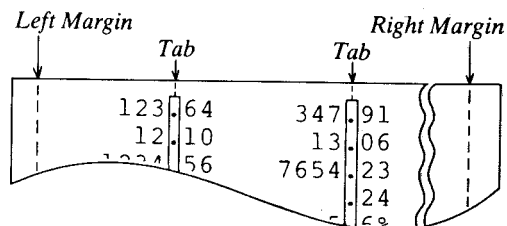
The carriage will move to the first **TAB** position.

2 Enter the numbers and decimal point.

3 Depress the **CODE+TAB** keys.

The first column will be printed so that the decimal point is positioned on the tab stop and the carriage will move to the next tab position.

Repeat the above two steps until you have completed all of your column entries.

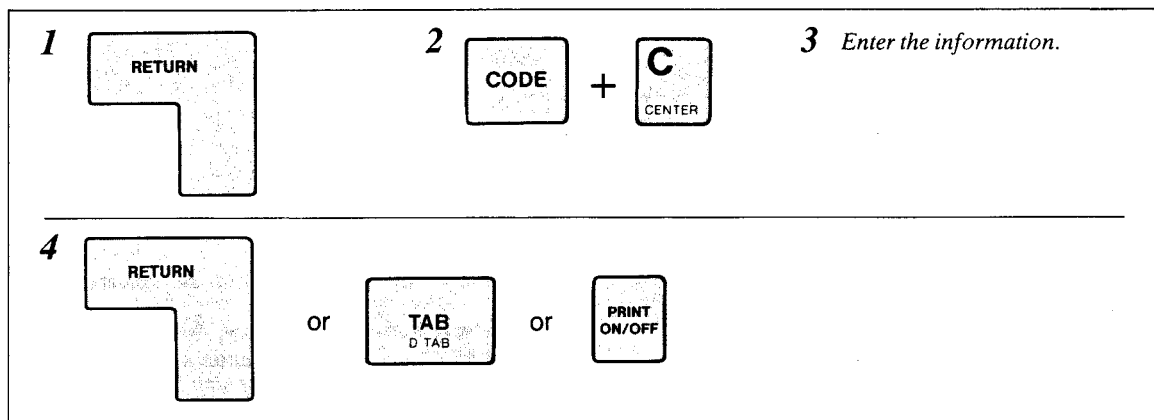


•To terminate the Decimal Tabulation command, depress the **CANCEL (X)** key.

I Centering

Your KX-R335 has three ways to center information; between margins, between tab stops and over a specified point.

Between Margins

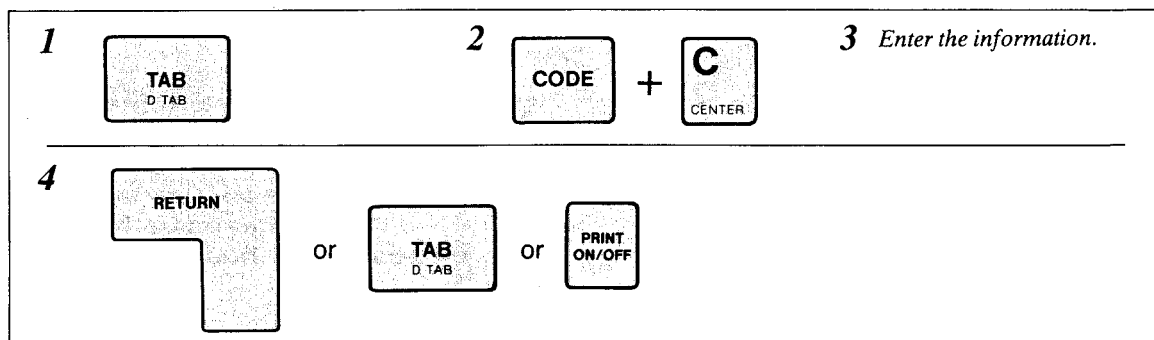


- 1 Depress the **RETURN** key to position the carriage at the left margin.
- 2 Depress the **CODE+C** keys to move the carriage to the center of the margins.

- 3 Enter the information to be centered.
- 4 Depress the **RETURN** key, the **TAB** key or the **PRINT** key. The information entered will be printed between the margins and the Centering command will be deactivated.

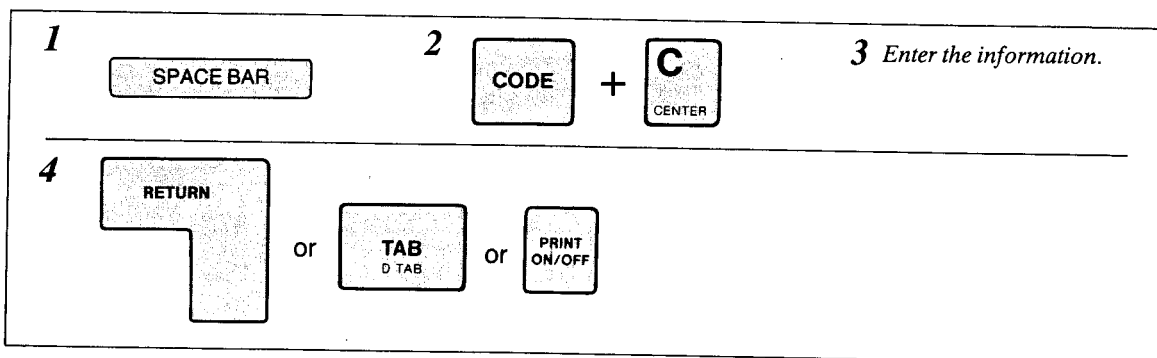
•When the indent function is in operation, centering is performed between the indented position and the right margin.

Between Tab Stops

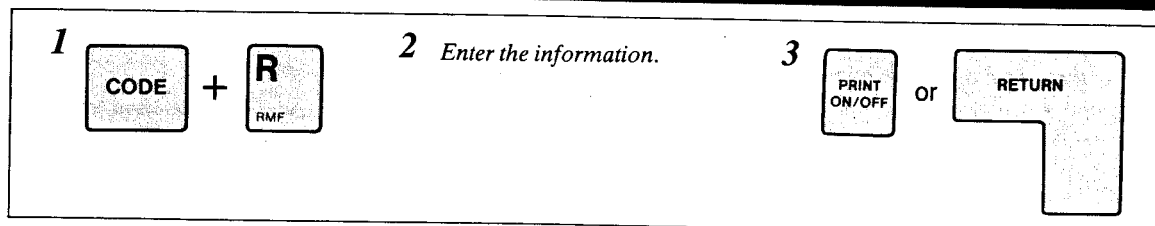


- 1 Depress the **TAB** key to position the carriage at the left tab position of the column you want to center in.
- 2 Depress the **CODE+C** keys.

- 3 Enter the information to be centered.
- 4 Depress the **RETURN** key, the **TAB** key or the **PRINT** key. The information will be printed between tab stops and the Centering command will be deactivated.

Over a Specified Point

- 1 Depress the **SPACE BAR** to move the carriage to the desired position.
- 2 Depress the **CODE+C** keys.
- 3 Enter the information to be centered.
- 4 Depress the **RETURN** key, the **TAB** key or the **PRINT** key. The information will be printed and the Centering command will be deactivated.

J Right Margin Flush

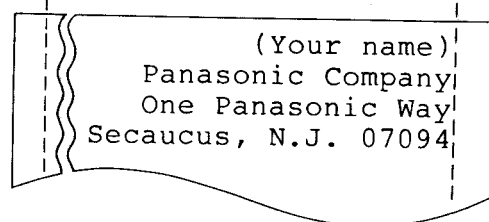
This command instructs the typewriter to print the information with the last character of each line aligned at the right margin. You can use this function to conveniently type dates or addresses.

- 1 Depress the **CODE+R** keys to move the carriage to the right margin.
- 2 Enter the information.

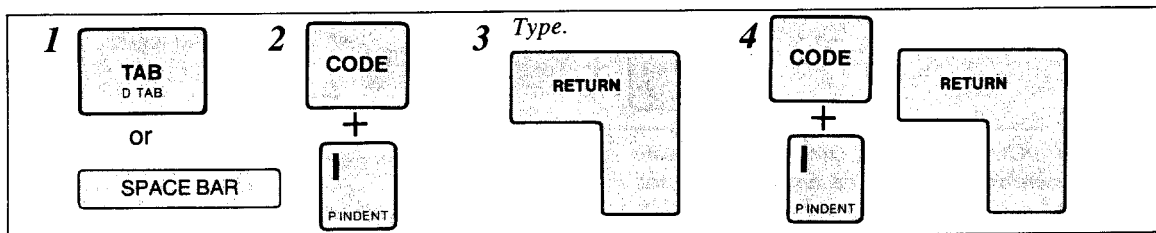
- 3 Depress the **PRINT** or **RETURN** key. The characters will be printed with the last character Right Margin Flush. The command will then be deactivated.

Left Margin

Right Margin



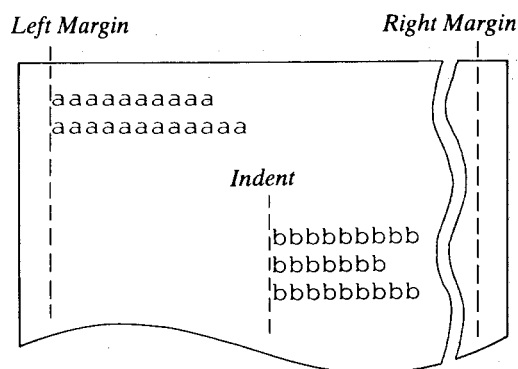
K Paragraph Indent



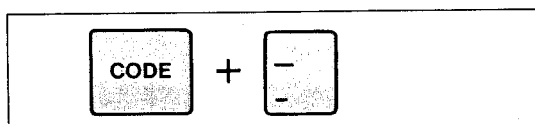
This command provides you with the ability to set a temporary left margin and eliminates the need to position the carriage to an indented location on every line.

1. Depress the **TAB** key or the **SPACE BAR** to move the carriage to the desired indented position.
2. Depress the **CODE+I** keys.
The buzzer will sound one time.
This sets the indented (temporary left margin) position.
3. Type the characters.
Depress the **RETURN** key to move the carriage to the indented position on the next line.
Continue typing.

4. Depress the **CODE+I** keys again to deactivate the command.
The carriage will move to the original left margin when the **RETURN** key is depressed.




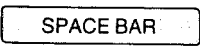
L Permanent Hyphen



If you depress the **CODE+HYPHEN (-)** keys within the Hot Zone, when the automatic carriage return is activated, the KX-R335 will continue printing without generating an automatic return. This coded hyphen is called a "Permanent Hyphen". It will be printed at the same point every time you print this text recalled from memory.

When you reach the end of a line, you may need to hyphenate a word to stay within your margin settings. In this case, depress the "-" key and then enter the next character. The hyphen will be printed and the carriage will automatically return to the left margin of the next line. This hyphen which is used temporarily in the Hot Zone, is called a "Temporary Hyphen". If you change the margin setting, the hyphen will not be printed unless it falls within the Hot Zone.

M Permanent Space

- 1 Type the 1st word. 2  +  3 Type the 2nd word.




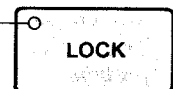
Since your KX-R335 allows you to print with automatic returns, there may be times you do not want to separate characters or words. The KX-R335 allows you to set a "Permanent Space" between characters and will not separate them when printing with varied line lengths.

- 1 Type the first word. (For example, New)

- 2 Depress the **CODE** key+**SPACE BAR**.

- 3 Type the second word. (For example, York)
When the characters are printed, the KX-R335 will recognize the two words as one and will not separate them.

N Caps Lock

- 1  +  2 Type. 3  + 
- comes on goes off

To preset the unit for typing capital letters, lower case numbers, punctuation marks and symbols:

Depress the **CODE**+**LOCK** keys.

In this mode the **SHIFT** key will call for the opposite characters to be entered.

- 1 Depress the **CODE**+**LOCK** keys.
The **SHIFT Indicator** will come on and the Caps Lock mode will be activated.
- 2 Type the text.
- 3 Depress the **CODE**+**LOCK** keys again to deactivate the command.
The **SHIFT Indicator** will go off and the Caps Lock mode will be deactivated.

O Micro-Pitch Spacing



Depressing the **CODE**+**J** keys move the carriage by $\frac{1}{60}$ inch.

You may use this function to "squeeze" characters together.

P Half Space



Depressing the **CODE**+**H** keys reduces the normal carriage spacing by one half.

3-1 MEMORY

Your KX-R335 has an internal memory of 6,000 characters which you can use to store and edit text.

When the amount of remaining memory is less than 300 characters, the **Text Indicator** will flash and the buzzer will sound one time.

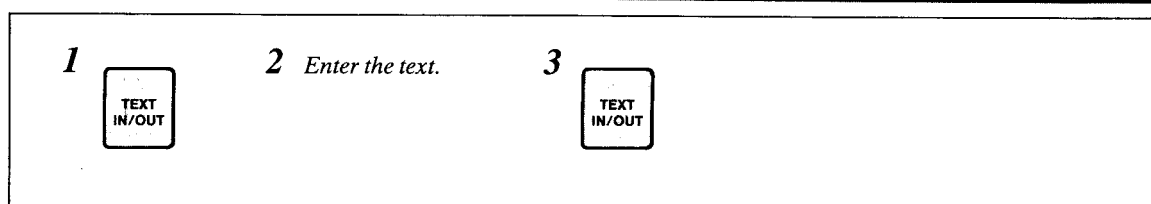
When your KX-R335 has reached the maximum storage capacity of 6,000 characters, the buzzer will sound two times every time a key is depressed.

3-2 TEXT MEMORY

The Text Memory allows you to enter a text which may require revisions, repetitive print-out or insertion of variable information. In the text input mode you can enter special functions such as; Bold Print, Underline, Centering, Tabs, Decimal Tabs, Right Margin Flush, Indent, and Stop Codes.

While the text is printing you can stop print-out at a desired position and make changes. You can also insert special functions at this time.

A To Store Information in the Text Memory



1 Depress the **TEXT** key. The buzzer will sound one time, the carriage will move to the left margin and the **Text Indicator** will light indicating the KX-R335 is in the text mode.

2 Enter the text using the following outline.

- Type the text to be stored as you would type it on a regular typewriter.
- Continue typing even at the end of the line without depressing the **RETURN** key.
- When a character after entering the **SPACE BAR** is depressed in the Hot Zone during text entry, an automatic return will be executed independent of the position of the Carriage Return Selector. At this time, a space will be stored.
- Depress the **RETURN** key only when you wish to store a permanent carriage return such as at the end of a paragraph or after a salutation in a letter.

3 When finished, depress the **TEXT** key to store your text. The buzzer will sound one time, the carriage will move to the left margin and the **Text Indicator** will go off.

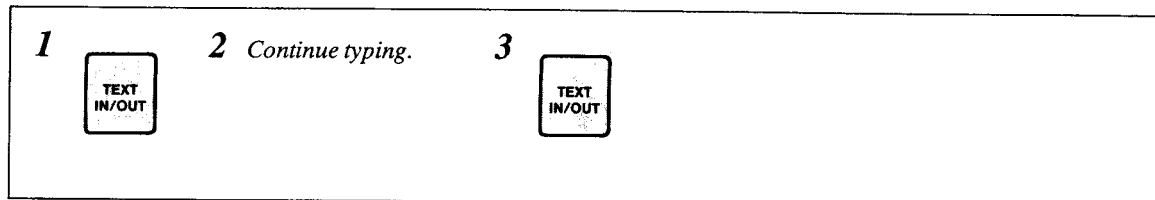
- The line spacing setting is not memorized.
- The typing pitch is not memorized however the text can be printed in either 10 or 12 pitch.
- You cannot enter the Text Memory mode if the carriage is not at the end of the current typing line or at the beginning of a new line, otherwise the buzzer will sound.
- Never set the left and right margins or tabs while storing text.

EXAMPLE:

- 1** Set the left and right margins for a width of 60 characters. (Refer to "To Set Margins and Tabs".)
- 2** Depress the **TEXT** key.
- 3** Type the following text including mistakes.
"Panasonic Compant is pleased to extend our invitation for Antique Typewriter Collection"
- 4** Depress the **RETURN** key.
- 5** Depress the **TEXT** key to store the text.

B To Add to an Existing Text (File)

If you wish add more information to your text, simply end the text and continue it later.



- 1 Depress the **TEXT** key to continue. The buzzer will sound one time. The **Text Indicator** will light.
- 2 Continue typing.
- 3 Depress the **TEXT** key when completed. The buzzer will sound one time. The **Text Indicator** will go off.
 - Your entered information will be stored at the end of the text.
 - You cannot depress the **PRINT** key or the **CODE+PRINT** keys when additional text is stored.

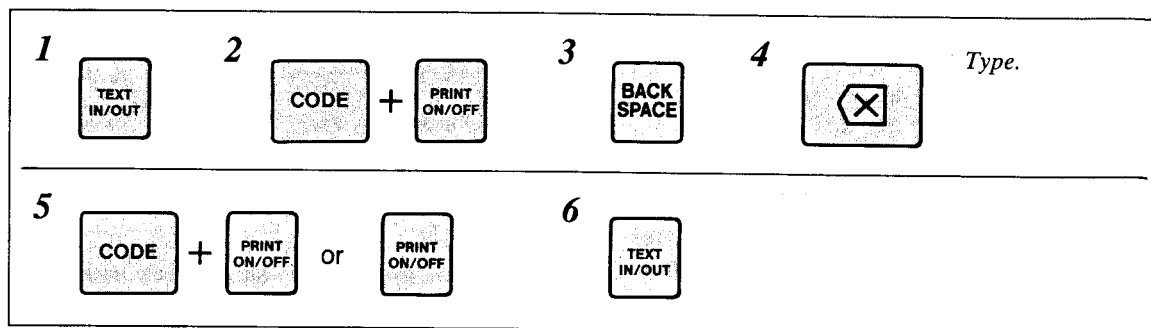
EXAMPLE:

- 1 Depress the **TEXT** key.
- 2 Continue typing.
"and our presentation of the History of Typewriters."
- 3 Depress the **TEXT** key.

C To Modify a Text (File)

If you want to modify your text, do the following:

Correcting Characters



- 1 Depress the **TEXT** key. The buzzer will sound one time. The **Text Indicator** will light.
- 2 Depress the **CODE+PRINT** keys. The KX-R335 will start printing your text line by line.
- 3 Move the carriage to the desired position, using the **BACKSPACE** key.
- 4 Depress the **CANCEL (X)** key to delete the incorrect characters then type the correct characters.
- 5 Depress the **CODE+PRINT** keys again to print the next line or depress the **PRINT** key to print the remainder of the text.
- 6 Depress the **TEXT** key to store your text. The buzzer will sound one time. The **Text Indicator** will go off.






EXAMPLE:

- 1 Set the left and right margins for a width of 60 characters.
- 2 Depress the **TEXT** key.
- 3 Depress the **CODE+PRINT** keys.
- 4 Move the carriage to the desired position, using the **BACKSPACE** key.

Panasonic Compant is pleased to extend our invitation
 ↑
 Carriage position

- 5 Depress the **CANCEL** (⊗) key to delete the incorrect character "t" and type the correct character "y".
- 6 Depress the **TEXT** key to store your text.

Insertion of Characters

1 	2 	3 Type.
and then 		
4  or 		

- 1 Depress the **TEXT** key. The buzzer will sound one time. The **Text Indicator** will light.
 - 2 Depress the **PRINT** key. The KX-R335 will start printing your text. Depress the **PRINT** key again to stop printing at the point in the text where you wish to insert new information. Printing will stop after the current word has been printed.
 - 3 Insert the new information.
 - 4 Depress the **PRINT** key to continue printing or depress the **TEXT** key to close and store the text.
- Note:**
 If you press the **PRINT** key to continue printing, press the **TEXT** key to close the text when printing is completed.

Your entered text will be inserted in front of the current carriage position.

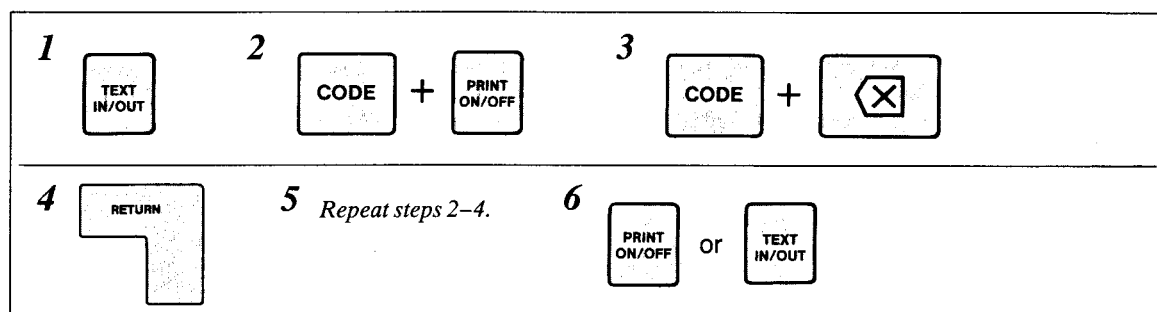
EXAMPLE:


- 1 Depress the **TEXT** key.
- 2 Depress the **PRINT** key. While the KX-R335 is printing the word "for", depress the **PRINT** key. Printing will stop after the KX-R335 has completed printing the word "for".
- 3 Type "a private showing of our ".
- 4 Depress the **PRINT** key to continue printing or depress the **TEXT** key to close and store the text.

Panasonic Company is pleased to extend our invitation
 for
 ↑
 Carriage position

Deletion of Returns

If you want to cancel permanent carriage returns, do the following:




- 1** Depress the **TEXT** key.
The buzzer will sound one time. The **Text Indicator** will light.
- 2** Depress the **CODE+PRINT** keys.
The KX-R335 will start printing your text line by line.
Repeat this operation to print to the point where you want to cancel the carriage return.
- 3** Depress the **CODE+CANCEL** () keys.
- 4** Depress the **RETURN** key.
- 5** Repeat steps 2-4 to delete each desired carriage return.
- 6** Depress the **PRINT** key to continue printing or depress the **TEXT** key to close and store the text.

EXAMPLE:

- 1** Depress the **TEXT** key.
- 2** Depress the **CODE+PRINT** keys twice.

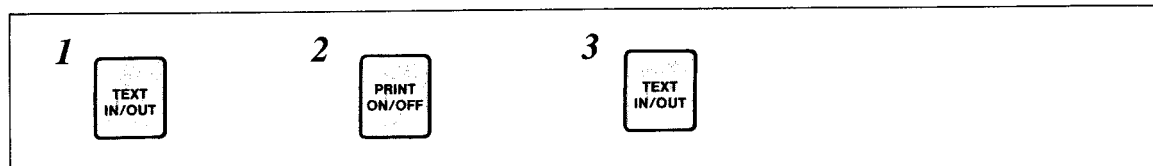
Panasonic Company is pleased to extend our invitation
for a private showing of our Antique Typewriter Collection,

Carriage position

- 3** Depress the **CODE+CANCEL** () keys.
- 4** Depress the **RETURN** key.
- 5** Depress the **SPACE BAR** to insert a space between the words "Collection" and "and our".
- 6** Depress the **PRINT** key to continue printing or depress the **TEXT** key to close and store the text.

D To Print a Text from Memory

You have entered your text into memory and now want to print it.



Before printing the text set the following items: left and right margins, tab settings, line spacing, and printing pitch.

- 1 Depress the **TEXT** key.
The buzzer will sound one time. The Text Indicator will light.
- 2 Depress the **PRINT** key.
Your KX-R335 will start printing the text.
- 3 Depress the **TEXT** key when printing is completed. The buzzer will sound one time. The Text Indicator will go off.

EXAMPLE:

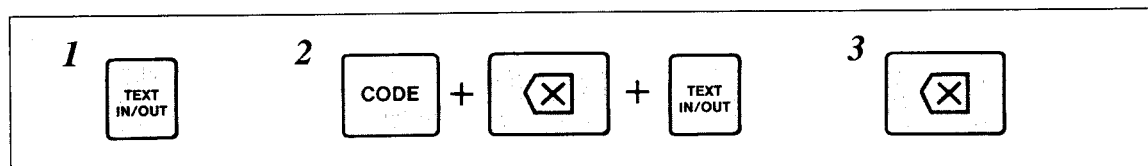
- 1 Set the left and right margins for a width of 60 characters, line spacing is located at 1 and printing pitch is located at 10.
- 2 Depress the **TEXT** key.
- 3 Depress the **PRINT** key.
Your KX-R335 will start printing the text.

Panasonic Company is pleased to extend our invitation for a private showing of our Antique Typewriter Collection and our presentation of the History of Typewriters.

- 4 Depress the **TEXT** key.

E To Clear a Text from Memory

When you no longer need a text, you can delete it from memory as follows:

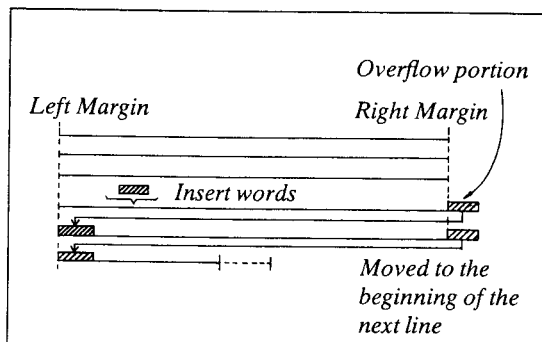


- 1 Depress the **TEXT** key.
The buzzer will sound one time. The Text Indicator will light.
- 2 Depress the **CODE+CANCEL+TEXT** keys at the same time. The Text Indicator will flash.
Note:
Depress the **CODE** key, then depress the **CANCEL (X)** key and hold down while pressing the **TEXT** key.
- 3 Depress the **CANCEL (X)** key while the Text Indicator is flashing. The buzzer will sound one time to confirm that the text has been cleared.

- If you want to exit this mode without clearing the text, depress the any key except for the **CANCEL (X)** key.

F Word-Wrap

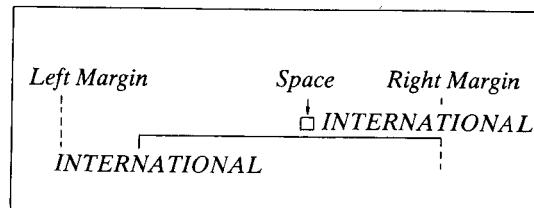
Word-Wrap means that a word exceeding the right margin will be shifted automatically to the beginning of the next line.



This function works at the space before the last word which would overflow the right margin. After the insertion of a new word, the last word will be moved to the beginning of the next line.

Word-Wrap will occur within the sentences of each paragraph.

EXAMPLE:



Spaces which fall at the left margin after carriage return with Word-Wrap will be eliminated and printing of the recorded characters will start at the left margin.

Don't turn the **POWER** switch off during the Text Memory mode.

If the **POWER** switch is turned off during the Text Memory mode the text in the memory may not be guaranteed.

3-3 APPLICATION

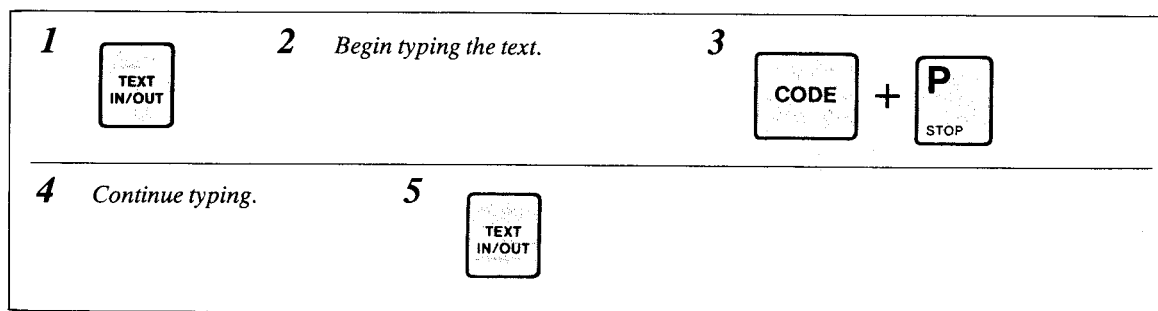
A Stop Code

You may have to type a letter and send it to several different people. Each letter must be personalized and have specific but different information inserted into the body of the text. These different bits of information are referred to as "variables".

Your KX-R335 will allow you to enter a text and instruct it to stop printing at a particular point so that you may insert the variable within the body of the letter.

This code "to stop printing and insert variables" is called a **Stop Code**.

To Store a Text with Stop Code



1 Depress the **TEXT** key.

2 Begin typing the text.

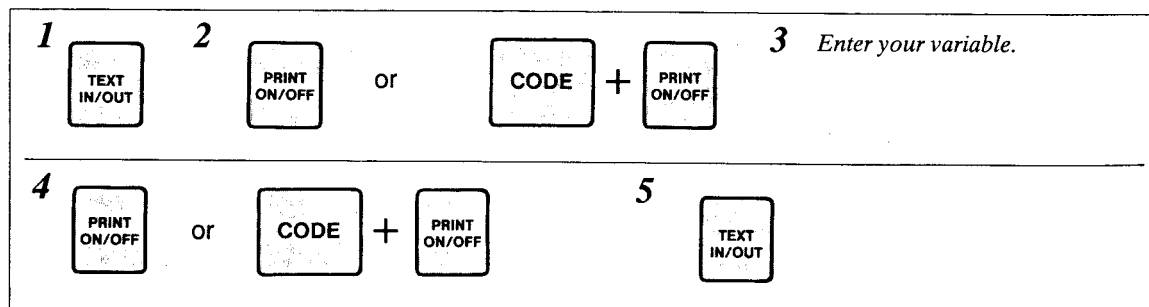
3 When you are at the position within the text where you want to insert variable information, depress the **CODE+P** keys.

4 Continue typing.

•Continue entering the stop codes following the above procedure for all locations where the variables will be inserted.

5 When you have completed entering the text, depress the **TEXT** key. The buzzer will sound one time and store the stop codes and close your text.


To Print a Text with Stop Codes



1 Depress the **TEXT** key.

2 Depress the **PRINT** key or the **CODE+PRINT** keys to print to the point where the first stop code was set.

3 Enter your variable which will be inserted in the first position by typing it.

•If you want to cancel the stop code, depress the **CODE+CANCEL** () keys and then **CODE+P** keys.

4 Depress the **PRINT** key or the **CODE+PRINT** keys to resume printing.

5 Depress the **TEXT** key.

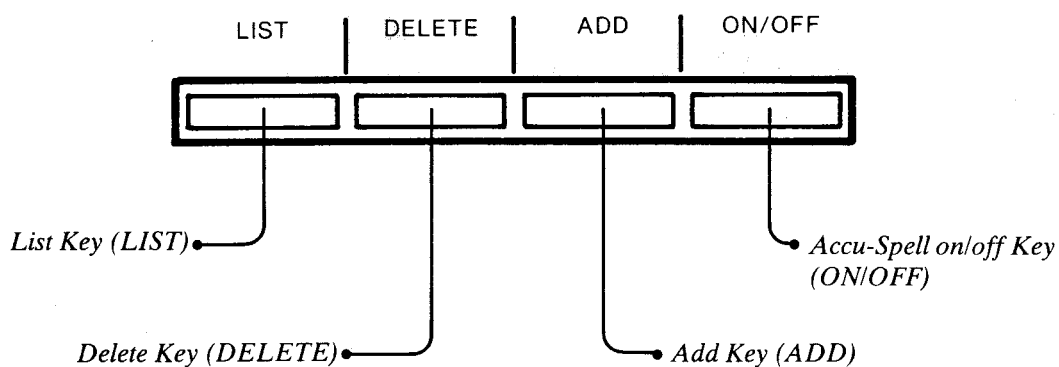
4-1 ACCU-SPELL™ (Spell Verifying Feature)

When you misspell a word, Accu-Spell informs you by means of a buzzer. The words that you type are checked by the basic dictionary and the user's dictionary. The basic dictionary contains about 86000 words. The user's dictionary is a supplement to the basic dictionary, you can enter about 120 words that you find are not contained in the basic dictionary.

The words that you enter in the user's dictionary can be deleted and changed, or a list of the user's dictionary contents can be printed.

Accu-Spell™ is a trademark of the Spell Verify Function in the U.S.A.

- The following keys are used as Accu-Spell Function keys.



A Turning Accu-Spell ON/OFF

When you depress the Accu-Spell ON/OFF key, the buzzer will sound one time and Accu-Spell will be activated. Depress the ON/OFF key again to deactivate Accu-Spell.

Accu-Spell operates when you make an input from your keyboard.
It does not work during Text Printing.

B Accu-Spell Operation

- 1** While Accu-Spell is activated, enter the words as usual.
- 2** When you end a word (by depressing the **SPACE BAR** or **RETURN** key, etc.), it will be checked.
 - If the word is not contained in either the basic dictionary or the user's dictionary, the typewriter will judge it to be a misspelled word, the buzzer will sound two times.
 - If the word is found in either the basic dictionary or the user's dictionary, the buzzer will not sound.
- 3** Correct the misspelled word.
The corrected word will also be checked.

Word Endings

Accu-Spell checks a word when it has been completed.

The typewriter judges that a word has been completed when you perform one of the following operations:

- when you depress the **SPACE BAR** after a word
- when you depress the **RETURN** key
- when you depress a function key to move the carriage (**TAB**, **FWD**, etc.)
- when you perform Right Margin Flush or centering

When you enter a character after entering a hyphen at the end of a line, the automatic return is performed and the word will be connected to the beginning of the next line, and will be spell verified as a single word.

When a word includes Paragraph Indent, the typewriter will not judge that the word has been completed.

Accu-Spell checks spelling according to the following rules.

- Numbers and symbols are also treated as part of a word. For example, "etc" is treated as a mistake while "etc." is judged correct.
- Symbols before and after a word such as " (quotation marks) and ? (question mark) are first removed from the word before it is spell verified. For example, "Great!!" is judged correct, but "Gleat!!" is judged incorrect.
- Some punctuation errors are detected. For example, "word:)" is judged as an error and the buzzer will sound two times.
- Some errors of apostrophe are detected. For example, "now's" and "at's" will be judged incorrect.
- A word consisting of several words joined by hyphens, such as "mother-in-law", is spell verified as a single compound word.
- Accu-Spell takes into account the difference between capital letters and small letters. If you type "check, Check, CHECK", all of these words will be judged correct. This is because when a word is at the beginning of a sentence, it starts with a capital letter, while if it is part of a title it consists entirely of capital letters. If, however, you type "CHeck", it will be judged incorrect.
- In the case of words which always begin with a capital letter, such as America, both "America" and "AMERICA" will be judged correct, however "america" will be judged incorrect.

Sometimes the buzzer will sound two times even if you type a correct word, because the word is not in the basic dictionary.

If you only use the word occasionally, you can ignore the buzzer and continue typing. If you use the word fairly frequently, it is a good idea to register it in the user's dictionary.

C How to Add Words to the User's Dictionary

- 1** Enter the word to be registered.
- 2** Depress the **ADD** key.
- 3** The buzzer will sound one time and the word will be registered in the user's dictionary.

- You can register a word by depressing the **ADD** key immediately after the check.
- You can also register a word by first moving the carriage to the desired word and then depress the **ADD** key.
- You can also register words which include numbers and symbols.
But at least two alphabet characters should be included for registration.
- If there is no room in the user's dictionary memory to register the word, the buzzer will sound two times.
In this case, you must depress the **LIST** key to print the contents of the user's dictionary. Enter the word to be deleted and then depress the **DELETE** key in order to register the new word.
- If the word which you want to register is already registered in the basic dictionary or user's dictionary, the buzzer will sound two times.
- You can add the word maximum 30 characters. If you attempt to add a word of more than 31 characters, the buzzer will sound two times.











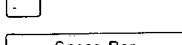











D How to Delete Words from the User's Dictionary

- 1** Enter the word to be deleted.
- 2** Depress the **DELETE** key.
- 3** The buzzer will sound one time and the word will be deleted from the user's dictionary.
 - You can delete a word by depressing the **DELETE** key immediately after the check.
 - You can delete a word by first moving the carriage to perform a check, then immediately after the check, depress the **DELETE** key.
 - If the word which you want to delete from the basic dictionary or the user's dictionary can not be found, the buzzer will sound two times.
 - If you try to delete a word from the basic dictionary, the buzzer will sound two times.

E How to Print the Words in the User's Dictionary

- 1** Depress the **LIST** key, printing will start from the top word.
- 2** If you want to stop printing, depress the **PRINT** key. After the present line has been printed, printing will stop and the unit will exit the List Mode.
- 3** After the last word in the user's dictionary has been printed, the unit will exit the List Mode.
 - If there are no contents in the User's Dictionary, the buzzer will sound two times after depressing the **LIST** key.

5-1 LIST OF CODE KEY FUNCTIONS

CODE +	.....sets/releases BOLD print
CODE +	.....centers information
CODE +	.....Half spacing
CODE +	.....sets/releases Paragraph Indent
CODE +	.....moves the carriage by 1/60 inch (Micro-Pitch Spacing)
CODE +	.....sets the Stop Code in a text
CODE +	.....prints information with the last character on each line aligned at the right margin
CODE +	.....sets/releases Underlining
CODE +	.....makes correction manually in normal mode
CODE +	.....sets Permanent Hyphen
CODE +	.....sets Permanent Space
CODE +	.....aligns decimal points at the preset tab stops
CODE +	.....clears all tabs
CODE +	.....presets the unit for typing capital letters, lower case numbers, punctuation marks and symbols
CODE +	.....prints the current one line
CODE +  +  then	.....clears a text (in text mode)
CODE +  and	.....clears the return code in a text
CODE +  and CODE +	.....clears the Stop Code in a text

5-2 OTHERS

A Troubleshooting

• Check the points below before returning your typewriter for service.

Symptom	Cause	Remedy/check
No operation;	The POWER switch is turned "OFF" or Power Cord is unplugged.	Turn the POWER switch "ON". Plug in the Power Cord.
Unit does not print correctly, or printing is blurred.	Paper Release Lever is in Release position.	Push lever to Lock position.
	End of Ribbon Cassette or Correction Tape.	Replace with new Ribbon Cassette or Correction Tape.
No deletion even with the CANCEL (⊗) key; blurred characters.	Correction Tape is not installed, or installed incorrectly.	Install Correction Tape.
Buzzer sounds two times during typing and typing is disabled (keys do not function).	Carriage at right margin.	Depress the RETURN key and move carriage to next line.
		Depress the MAR REL key and continue printing on same line.
	Text Memory is full.	Re-edit the data or cancel the Text Memory Mode.
	End of Ribbon Cassette or Correction Tape.	Replace with new Ribbon Cassette or Correction Tape.

B Product Service

Should your Panasonic product ever require service, refer to the Directory for an Authorized Servicenter

or consult your authorized Panasonic dealer for detailed instructions.

5-3 OPTIONAL ACCESSORIES

- Replacement parts and accessories are available through your local authorized parts distributor.
- For the authorized distributors in your area, call toll free: 1-800-447-4700.

Part No.	Description	Comment
KX-R10	Daisywheel Printing Element COURIER 10	1 unit
KX-R11	PRESTIGE PICA 10	1 unit
KX-R12	PRESTIGE ELITE 12	1 unit
KX-R13	SCRIPT 10/12	1 unit
KX-R20	Correctable Film-Ribbon Cassette	1 unit
KX-R30	Lift-off Correction Tape	2 units

5-4 SPECIFICATIONS

Print Element:	Daisywheel; 96 characters
Print Speed:	11 cps
Print Pitch:	10, 12
Line Spacing:	1, 1½, 2
Paper Width:	12"
Writing Line:	10"
Ribbon:	Correctable Carbon Ribbon
Correction Tape:	Lift-off Tape
Memory Life:	Min. 5 years
Correction Memory:	1 line
Text Memory:	6,000 Character
Built-in dictionary:	86,000 words
User dictionary:	120 words
Power Requirements:	AC 110~127/220~240 V, 50/60 Hz
Power Consumption:	30 W (Approx. 3 W: When the power switch is turned off)
Operating Temperature:	41°F (5°C) to 95°F (35°C)
Operating Humidity:	20 to 80% RH
Storage Temperature:	–4°F (–20°C) to 140°F (60°C)
Dimensions:	16 ¹³ / ₁₆ " (W) × 14 ³ / ₄ " (D) × 4 ³ / ₈ " (H) (427 × 375 × 112 mm)
Weight:	12¾ lbs. (5.8 kg)

To locate an Authorized Servicenter in your area within the Continental U.S.A.

DIAL TOLL FREE: 1-800-447-4700
24 Hours a Day, 7 Days a Week

Consumers requiring assistance with service matters should contact the appropriate Regional Administration Office:

EASTERN
2250 Cabot Blvd., West
Langhorne, PA 19047
(215) 741-0676

MIDWEST
425 East Algonquin Road
Arlington Heights, IL 60005
(312) 981-4842

WESTERN
6550 Katella Avenue
Cypress, CA 90630
(714) 895-7438

SOUTHERN
1854 Shackelford Court,
Suite 105
Norcross, GA 30093
(404) 925-6860

Covers:
CT, DE, ME, MD, MA,
NH, NJ, NY, PA, RI, VT,
VA, DC, WV

Covers:
IL, IN, IA, KS, KY, MI,
MN, MO, NE, ND, SD,
OH, WI

Covers:
AK, AZ, CA, CO, ID,
MT, NV, NM, OR, UT,
WA, WY

Covers:
AL, AR, FL, GA, LA,
MS, NC, SC, TN, TX,
OK

Consumers requiring product information or operating assistance with a consumer product should contact:

CONSUMER AFFAIRS DEPARTMENT 2F-3
50 Meadowland Parkway Secaucus, N.J. 07094 (201) 392-4767/4768

F80120

Your product is designed and manufactured to ensure a minimum of maintenance. However, should your unit ever require service, a nationwide system of **FACTORY SERVICENTERS** and **AUTHORIZED INDEPENDENT SERVICENTERS** is maintained to support your product's warranty.

Service in the Continental U.S.A. ...
Factory Servicenters

MATSUSHITA SERVICES COMPANY

Division of Matsushita Electric Corporation of America
50 Meadowland Parkway, Secaucus, New Jersey 07094

ALABAMA
2523-5th Avenue, South
Birmingham, AL 35233
205-252-4195
ARIZONA
2121 Priest Drive, South
Suite 107
Tempe, AZ 85282
602-968-8645
CALIFORNIA
6550 Katella Avenue
Cypress, CA 90630
714-895-7425
930 South Mt. Vernon Drive
Colton, CA 92324
714-825-3110
800 Dubuque Avenue
So. San Francisco, CA 94080
415-871-6373
20201 Sherman Way
Suite 102
Canoga Park, CA 91306
818-709-1775
4830B Viewridge Avenue
San Diego, CA 92123
619-560-9200

COLORADO
14401 E. 33rd Place
Suite E
Aurora, CO 80011
303-371-6968
FLORIDA
16175 NW 52nd Avenue
Miami, FL 33014
305-624-6521
4115 W. Kennedy Boulevard
Tampa, FL 33609
813-872-2686
GEORGIA
1575 Northside Dr.
Suite 325, Atlanta, GA 30318
404-351-8978
4245 International Blvd.
Suite C
Norcross, GA 30093
404-925-6880

ILLINOIS
425 E. Algonquin Road
Arlington Heights, IL 60005
312-981-4840
MARYLAND
Sulphur Spring Business Park
1638 Sulphur Spring Road
Baltimore, MD 21227
301-242-2607
MASSACHUSETTS
385 University Avenue
Westwood, MA 02090
617-329-4280

MINNESOTA
7860-12th Avenue, South
Airport Business Center
Bloomington, MN 55420
612-854-8624
MISSOURI
13711 Rider Trail North
Earth City, MO 63045
314-739-5301
OHIO
494 Northland Boulevard
Cincinnati, OH 45240
513-851-4180
PENNSYLVANIA
2250 Cabot Blvd.,
West Langhorne, PA 19047
215-741-0661

4986 Library Road, Rt. 88
Hillcrest Shopping Center
Bethel Park, PA 15102
412-343-0555
TENNESSEE
925-8th Avenue, South
Nashville, TN 37203
615-244-4434
TEXAS
7420 Harwin Drive
Houston, TX 77036
713-781-1528
4500 Amon Carter Blvd.
Fort Worth, TX 76155
214-550-0201
WASHINGTON
20425-84th Ave., South
Kent, WA 98032
206-872-7922

MEMO

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F.R. GERMANY

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